

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 13:00:46 ON 07 JAN 2009

=> fil .bec

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.22

0.22

FILES 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS,
ESBIOBASE, BIOTECHNO, WPIDS' ENTERED AT 13:01:03 ON 07 JAN 2009
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11 FILES IN THE FILE LIST

=> s polyhydroxyalkano? or polyhydroxy? alkanol? or pha#

FILE 'MEDLINE'

738 POLYHYDROXYALKANO?

2763 POLYHYDROXY?

1249 ALKANO?

8 POLYHYDROXY? ALKANO?

(POLYHYDROXY?(W)ALKANO?)

16658 PHA#

L1 16826 POLYHYDROXYALKANO? OR POLYHYDROXY? ALKANO? OR PHA#

FILE 'SCISEARCH'

1705 POLYHYDROXYALKANO?

5012 POLYHYDROXY?

6216 ALKANO?

21 POLYHYDROXY? ALKANO?

(POLYHYDROXY?(W)ALKANO?)

11059 PHA#

L2 11762 POLYHYDROXYALKANO? OR POLYHYDROXY? ALKANO? OR PHA#

FILE 'LIFESCI'

649 POLYHYDROXYALKANO?

1228 POLYHYDROXY?

471 ALKANO?

9 POLYHYDROXY? ALKANO?

(POLYHYDROXY?(W)ALKANO?)

6791 PHA#

L3 6943 POLYHYDROXYALKANO? OR POLYHYDROXY? ALKANO? OR PHA#

FILE 'BIOTECHDS'

894 POLYHYDROXYALKANO?

1241 POLYHYDROXY?

757 ALKANO?

42 POLYHYDROXY? ALKANO?

(POLYHYDROXY?(W)ALKANO?)

1017 PHA#

L4 1441 POLYHYDROXYALKANO? OR POLYHYDROXY? ALKANO? OR PHA#

FILE 'BIOSIS'

1151 POLYHYDROXYALKANO?

3220 POLYHYDROXY?

2638 ALKANO?

21 POLYHYDROXY? ALKANO?

(POLYHYDROXY?(W)ALKANO?)

18147 PHA#

L5 18508 POLYHYDROXYALKANO? OR POLYHYDROXY? ALKANO? OR PHA#

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FILE 'EMBASE'
    963 POLYHYDROXYALKANO?
    2449 POLYHYDROXY?
    3784 ALKANO?
    13 POLYHYDROXY? ALKANO?
        (POLYHYDROXY?(W)ALKANO?)
    16232 PHA#
L6    16500 POLYHYDROXYALKANO? OR POLYHYDROXY? ALKANO? OR PHA#

FILE 'HCAPLUS'
    2599 POLYHYDROXYALKANO?
    21967 POLYHYDROXY?
    39179 ALKANO?
    78 POLYHYDROXY? ALKANO?
        (POLYHYDROXY?(W)ALKANO?)
    16216 PHA#
L7    17220 POLYHYDROXYALKANO? OR POLYHYDROXY? ALKANO? OR PHA#

FILE 'NTIS'
    8 POLYHYDROXYALKANO?
    87 POLYHYDROXY?
    185 ALKANO?
    0 POLYHYDROXY? ALKANO?
        (POLYHYDROXY?(W)ALKANO?)
    535 PHA#
L8    537 POLYHYDROXYALKANO? OR POLYHYDROXY? ALKANO? OR PHA#

FILE 'ESBIOBASE'
    788 POLYHYDROXYALKANO?
    1429 POLYHYDROXY?
    744 ALKANO?
    19 POLYHYDROXY? ALKANO?
        (POLYHYDROXY?(W)ALKANO?)
    4644 PHA#
L9    4823 POLYHYDROXYALKANO? OR POLYHYDROXY? ALKANO? OR PHA#

FILE 'BIOTECHNO'
    527 POLYHYDROXYALKANO?
    818 POLYHYDROXY?
    528 ALKANO?
    7 POLYHYDROXY? ALKANO?
        (POLYHYDROXY?(W)ALKANO?)
    4715 PHA#
L10   4869 POLYHYDROXYALKANO? OR POLYHYDROXY? ALKANO? OR PHA#

FILE 'WPIDS'
    681 POLYHYDROXYALKANO?
    13735 POLYHYDROXY?
    50769 ALKANO?
    239 POLYHYDROXY? ALKANO?
        (POLYHYDROXY?(W)ALKANO?)
    1518 PHA#
L11   2120 POLYHYDROXYALKANO? OR POLYHYDROXY? ALKANO? OR PHA#

TOTAL FOR ALL FILES
L12   101549 POLYHYDROXYALKANO? OR POLYHYDROXY? ALKANO? OR PHA#

=> s xylose or xylan or hemicellulos?
FILE 'MEDLINE'
    7899 XYLOSE
    1939 XYLAN
    1489 HEMICELLULOS?

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L13 10469 XYLOSE OR XYLAN OR HEMICELLULOS?

 FILE 'SCISEARCH'
 8258 XYLOSE
 3143 XYLAN
 4949 HEMICELLULOS?
 L14 14352 XYLOSE OR XYLAN OR HEMICELLULOS?

 FILE 'LIFESCI'
 3464 XYLOSE
 2498 XYLAN
 1148 HEMICELLULOS?
 L15 6173 XYLOSE OR XYLAN OR HEMICELLULOS?

 FILE 'BIOTECHDS'
 3541 XYLOSE
 1810 XYLAN
 1330 HEMICELLULOS?
 L16 5553 XYLOSE OR XYLAN OR HEMICELLULOS?

 FILE 'BIOSIS'
 12994 XYLOSE
 3670 XYLAN
 6129 HEMICELLULOS?
 L17 20593 XYLOSE OR XYLAN OR HEMICELLULOS?

 FILE 'EMBASE'
 6179 XYLOSE
 3074 XYLAN
 1419 HEMICELLULOS?
 L18 9580 XYLOSE OR XYLAN OR HEMICELLULOS?

 FILE 'HCAPLUS'
 30101 XYLOSE
 7728 XYLAN
 15740 HEMICELLULOS?
 L19 47549 XYLOSE OR XYLAN OR HEMICELLULOS?

 FILE 'NTIS'
 196 XYLOSE
 57 XYLAN
 205 HEMICELLULOS?
 L20 380 XYLOSE OR XYLAN OR HEMICELLULOS?

 FILE 'ESBIOBASE'
 3260 XYLOSE
 1482 XYLAN
 1613 HEMICELLULOS?
 L21 5503 XYLOSE OR XYLAN OR HEMICELLULOS?

 FILE 'BIOTECHNO'
 2507 XYLOSE
 1961 XYLAN
 849 HEMICELLULOS?
 L22 4604 XYLOSE OR XYLAN OR HEMICELLULOS?

 FILE 'WPIDS'
 3751 XYLOSE
 804 XYLAN
 1995 HEMICELLULOS?
 L23 6113 XYLOSE OR XYLAN OR HEMICELLULOS?

TOTAL FOR ALL FILES
L24 130869 XYLOSE OR XYLAN OR HEMICELLULOS?

=> s l12 and l24

FILE 'MEDLINE'

L25 11 L1 AND L13

FILE 'SCISEARCH'

L26 20 L2 AND L14

FILE 'LIFESCI'

L27 6 L3 AND L15

FILE 'BIOTECHDS'

L28 15 L4 AND L16

FILE 'BIOSIS'

L29 19 L5 AND L17

FILE 'EMBASE'

L30 14 L6 AND L18

FILE 'HCAPLUS'

L31 46 L7 AND L19

FILE 'NTIS'

L32 1 L8 AND L20

FILE 'ESBIOBASE'

L33 6 L9 AND L21

FILE 'BIOTECHNO'

L34 7 L10 AND L22

FILE 'WPIDS'

L35 26 L11 AND L23

TOTAL FOR ALL FILES

L36 171 L12 AND L24

=> s levulinic acid

FILE 'MEDLINE'

1536 LEVULINIC

1597980 ACID

L37 373 LEVULINIC ACID

(LEVULINIC(W)ACID)

FILE 'SCISEARCH'

407 LEVULINIC

1341050 ACID

L38 373 LEVULINIC ACID

(LEVULINIC(W)ACID)

FILE 'LIFESCI'

92 "LEVULINIC"

367700 "ACID"

L39 89 LEVULINIC ACID

("LEVULINIC"(W)"ACID")

FILE 'BIOTECHDS'

88 LEVULINIC

162177 ACID

L40 84 LEVULINIC ACID
 (LEVULINIC(W)ACID)

FILE 'BIOSIS'

 2466 LEVULINIC
 1570309 ACID
L41 2428 LEVULINIC ACID
 (LEVULINIC(W)ACID)

FILE 'EMBASE'

 405 "LEVULINIC"
 1616348 "ACID"
L42 398 LEVULINIC ACID
 ("LEVULINIC" (W) "ACID")

FILE 'HCAPLUS'

 4467 LEVULINIC
 4749968 ACID
L43 4197 LEVULINIC ACID
 (LEVULINIC(W)ACID)

FILE 'NTIS'

 18 LEVULINIC
 45506 ACID
L44 15 LEVULINIC ACID
 (LEVULINIC(W)ACID)

FILE 'ESBIOBASE'

 106 LEVULINIC
 420559 ACID
L45 99 LEVULINIC ACID
 (LEVULINIC(W)ACID)

FILE 'BIOTECHNO'

 85 LEVULINIC
 349810 ACID
L46 85 LEVULINIC ACID
 (LEVULINIC(W)ACID)

FILE 'WPIDS'

 553 LEVULINIC
 1204385 ACID
L47 519 LEVULINIC ACID
 (LEVULINIC(W)ACID)

TOTAL FOR ALL FILES

L48 8660 LEVULINIC ACID

=> s 112 and 148

FILE 'MEDLINE'

L49 6 L1 AND L37

FILE 'SCISEARCH'

L50 12 L2 AND L38

FILE 'LIFESCI'

L51 5 L3 AND L39

FILE 'BIOTECHDS'

L52 7 L4 AND L40

FILE 'BIOSIS'

L53 8 L5 AND L41

FILE 'EMBASE'

L54 5 L6 AND L42

FILE 'HCAPLUS'

L55 25 L7 AND L43

FILE 'NTIS'

L56 0 L8 AND L44

FILE 'ESBIOBASE'

L57 7 L9 AND L45

FILE 'BIOTECHNO'

L58 4 L10 AND L46

FILE 'WPIDS'

L59 4 L11 AND L47

TOTAL FOR ALL FILES

L60 83 L12 AND L48

=> s (l36 or l60) not 2004-2009/py

FILE 'MEDLINE'

3321583 2004-2009/PY

(20040000-20099999/PY)

L61 10 (L25 OR L49) NOT 2004-2009/PY

FILE 'SCISEARCH'

6175823 2004-2009/PY

(20040000-20099999/PY)

L62 16 (L26 OR L50) NOT 2004-2009/PY

FILE 'LIFESCI'

794185 2004-2009/PY

L63 7 (L27 OR L51) NOT 2004-2009/PY

FILE 'BIOTECHDS'

120155 2004-2009/PY

L64 14 (L28 OR L52) NOT 2004-2009/PY

FILE 'BIOSIS'

2893326 2004-2009/PY

L65 17 (L29 OR L53) NOT 2004-2009/PY

FILE 'EMBASE'

2856329 2004-2009/PY

L66 12 (L30 OR L54) NOT 2004-2009/PY

FILE 'HCAPLUS'

6696207 2004-2009/PY

L67 35 (L31 OR L55) NOT 2004-2009/PY

FILE 'NTIS'

83175 2004-2009/PY

L68 1 (L32 OR L56) NOT 2004-2009/PY

FILE 'ESBIOBASE'

1616686 2004-2009/PY

L69 7 (L33 OR L57) NOT 2004-2009/PY

FILE 'BIOTECHNO'
586 2004-2009/PY
L70 11 (L34 OR L58) NOT 2004-2009/PY

FILE 'WPIDS'
5789709 2004-2009/PY
L71 4 (L35 OR L59) NOT 2004-2009/PY

TOTAL FOR ALL FILES
L72 134 (L36 OR L60) NOT 2004-2009/PY

=> s (cosubstrat? or levulinic or propion?) (10a) (addition? or second? or supplement?)

FILE 'MEDLINE'
1060 COSUBSTRAT?
1536 LEVULINIC
32460 PROPION?
1160480 ADDITION?
932521 SECOND?
147304 SUPPLEMENT?
L73 832 (COSUBSTRAT? OR LEVULINIC OR PROPION?) (10A) (ADDITION? OR SECOND?
OR SUPPLEMENT?)

FILE 'SCISEARCH'
989 COSUBSTRAT?
407 LEVULINIC
29400 PROPION?
1408051 ADDITION?
993860 SECOND?
166946 SUPPLEMENT?
L74 1008 (COSUBSTRAT? OR LEVULINIC OR PROPION?) (10A) (ADDITION? OR SECOND?
OR SUPPLEMENT?)

FILE 'LIFESCI'
512 COSUBSTRAT?
92 LEVULINIC
10436 PROPION?
353095 ADDITION?
200051 SECOND?
34414 SUPPLEMENT?
L75 428 (COSUBSTRAT? OR LEVULINIC OR PROPION?) (10A) (ADDITION? OR SECOND?
OR SUPPLEMENT?)

FILE 'BIOTECHDS'
279 COSUBSTRAT?
88 LEVULINIC
2922 PROPION?
50951 ADDITION?
40728 SECOND?
17552 SUPPLEMENT?
L76 206 (COSUBSTRAT? OR LEVULINIC OR PROPION?) (10A) (ADDITION? OR SECOND?
OR SUPPLEMENT?)

FILE 'BIOSIS'
1290 COSUBSTRAT?
2466 LEVULINIC
44778 PROPION?
1182387 ADDITION?
736154 SECOND?
218590 SUPPLEMENT?
L77 1435 (COSUBSTRAT? OR LEVULINIC OR PROPION?) (10A) (ADDITION? OR SECOND?

OR SUPPLEMENT?)

FILE 'EMBASE'

972 COSUBSTRAT?
405 LEVULINIC
39342 PROPION?
1073519 ADDITION?
732170 SECOND?
138795 SUPPLEMENT?
L78 702 (COSUBSTRAT? OR LEVULINIC OR PROPION?) (10A) (ADDITION? OR SECOND?
OR SUPPLEMENT?)

FILE 'HCAPLUS'

1965 COSUBSTRAT?
4467 LEVULINIC
146821 PROPION?
241880 ADDITION?
1718518 ADDN
571081 ADDNL
2377311 ADDITION?
(ADDITION? OR ADDN OR ADDNL)
1263216 SECOND?
200725 SUPPLEMENT?
L79 3705 (COSUBSTRAT? OR LEVULINIC OR PROPION?) (10A) (ADDITION? OR SECOND?
OR SUPPLEMENT?)

FILE 'NTIS'

9 COSUBSTRAT?
18 LEVULINIC
546 PROPION?
182332 ADDITION?
147002 SECOND?
29478 SUPPLEMENT?
L80 18 (COSUBSTRAT? OR LEVULINIC OR PROPION?) (10A) (ADDITION? OR SECOND?
OR SUPPLEMENT?)

FILE 'ESBIOBASE'

621 COSUBSTRAT?
106 LEVULINIC
9225 PROPION?
499518 ADDITION?
318896 SECOND?
57316 SUPPLEMENT?
L81 536 (COSUBSTRAT? OR LEVULINIC OR PROPION?) (10A) (ADDITION? OR SECOND?
OR SUPPLEMENT?)

FILE 'BIOTECHNO'

457 COSUBSTRAT?
85 LEVULINIC
6189 PROPION?
241683 ADDITION?
116613 SECOND?
18671 SUPPLEMENT?
L82 309 (COSUBSTRAT? OR LEVULINIC OR PROPION?) (10A) (ADDITION? OR SECOND?
OR SUPPLEMENT?)

FILE 'WPIDS'

48 COSUBSTRAT?
553 LEVULINIC
43631 PROPION?
699952 ADDITION?
137168 ADDN


```

      824068 ADDITION?
          (ADDITION? OR ADDN)
1732885 SECOND?
110750 SEC
1826289 SECOND?
          (SECOND? OR SEC)
      77753 SUPPLEMENT?
L83      872 (COSUBSTRAT? OR LEVULINIC OR PROPION?) (10A) (ADDITION? OR SECOND?
          OR SUPPLEMENT?)

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TOTAL FOR ALL FILES

```

L84      10051 (COSUBSTRAT? OR LEVULINIC OR PROPION?) (10A) (ADDITION? OR SECOND?
          OR SUPPLEMENT?)

```

=> s l12 and l84

FILE 'MEDLINE'

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L85      6 L1 AND L73

```

FILE 'SCISEARCH'

```

L86      19 L2 AND L74

```

FILE 'LIFESCI'

```

L87      11 L3 AND L75

```

FILE 'BIOTECHDS'

```

L88      8 L4 AND L76

```

FILE 'BIOSIS'

```

L89      9 L5 AND L77

```

FILE 'EMBASE'

```

L90      7 L6 AND L78

```

FILE 'HCAPLUS'

```

L91      22 L7 AND L79

```

FILE 'NTIS'

```

L92      1 L8 AND L80

```

FILE 'ESBIOBASE'

```

L93      12 L9 AND L81

```

FILE 'BIOTECHNO'

```

L94      10 L10 AND L82

```

FILE 'WPIDS'

```

L95      4 L11 AND L83

```

TOTAL FOR ALL FILES

```

L96      109 L12 AND L84

```

=> s l96 not 2004-2009/py

FILE 'MEDLINE'

```

      3321583 2004-2009/PY
          (20040000-20099999/PY)

```

```

L97      5 L85 NOT 2004-2009/PY

```

FILE 'SCISEARCH'

```

      6175823 2004-2009/PY
          (20040000-20099999/PY)

```

```

L98      14 L86 NOT 2004-2009/PY

```

FILE 'LIFESCI'
794185 2004-2009/PY
L99 10 L87 NOT 2004-2009/PY

FILE 'BIOTECHDS'
120155 2004-2009/PY
L100 7 L88 NOT 2004-2009/PY

FILE 'BIOSIS'
2893326 2004-2009/PY
L101 7 L89 NOT 2004-2009/PY

FILE 'EMBASE'
2856329 2004-2009/PY
L102 7 L90 NOT 2004-2009/PY

FILE 'HCAPLUS'
6696207 2004-2009/PY
L103 16 L91 NOT 2004-2009/PY

FILE 'NTIS'
83175 2004-2009/PY
L104 1 L92 NOT 2004-2009/PY

FILE 'ESBIOBASE'
1616686 2004-2009/PY
L105 10 L93 NOT 2004-2009/PY

FILE 'BIOTECHNO'
586 2004-2009/PY
L106 10 L94 NOT 2004-2009/PY

FILE 'WPIDS'
5789709 2004-2009/PY
L107 1 L95 NOT 2004-2009/PY

TOTAL FOR ALL FILES
L108 88 L96 NOT 2004-2009/PY

=> log y

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE

ENTRY

24.22

TOTAL

SESSION

24.44

STN INTERNATIONAL LOGOFF AT 13:07:10 ON 07 JAN 2009